BELLSOUTH

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T.R.A. DUUNCA NO August 4, 2003

Guy M. Hicks General Counsel

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VIA HAND DELIVERY

Hon. Deborah Taylor Tate, Chairman Tennessee Regulatory Authority 460 James Robertson Parkway Nashville, TN 37238

Re:

Petition for Arbitration of ITC^DeltaCom Communications, Inc. with BellSouth Telecommunications, Inc. Pursuant to the

Telecommunications Act of 1996

Docket No. 03-00119

Dear Chairman Tate:

Enclosed are the original and fourteen copies of direct testimony being filed on behalf of BellSouth by the following witnesses:

Kathy Blake / Ronald M. Pate W. Keith Milner John Ruscilli

The exhibit to Mr. Milner's testimony is proprietary and will be filed under separate cover pursuant to the Protective Order entered in this matter. Copies of the enclosed are being provided to counsel of record.

Very truly yours,

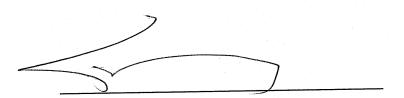
Guy M. Hicks

GMH:ch

CERTIFICATE OF SERVICE

I hereby certify that on August 4, 2003, a copy of the foregoing document was served on the parties of record, via the method indicated:

[] Hand [] Mail [] Facsimile [] Overnight [] Electronic	Henry Walker, Esquire Boult, Cummings, et al. 414 Union Street, #1600 Nashville, TN 37219-8062 hwalker@boultcummings.com
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1		BELLSOUTH TELECOMMUNICATIONS, INC.
2		DIRECT TESTIMONY OF W. KEITH MILNER
3		BEFORE THE TENNESSEE REGULATORY AUTHORITY
4		DOCKET NO. 03-00119
5		August 4, 2003
6		
7	Q.	PLEASE STATE YOUR NAME, YOUR BUSINESS ADDRESS, AND
8		YOUR POSITION WITH BELLSOUTH TELECOMMUNICATIONS,
9		INC. ("BELLSOUTH").
10		
11	Α.	My name is W. Keith Milner. My business address is 675 West
12		Peachtree Street, Atlanta, Georgia 30375. I am Assistant Vice
13		President - Interconnection Operations for BellSouth. I have served in
14		my present position since February 1996.
15		에 가장 하게 되었다. 이 가장 이렇는 사람들이 되고 있는 것이 되었다. 그는 그는 그는 그는 그는 그는 그는 그는 그는 그를 보고 있다. 이 사람들은 사람들이 되었다. 그는 그를 보고 있는 것이 되었다. 그는 그는 그를 보고 있는 것이 되었다. 그를 보고 있는 것이 되었다. 그는 그를 보고 있다.
16	Q.	PLEASE SUMMARIZE YOUR BACKGROUND AND EXPERIENCE.
17		통해 가는 하는 말이 있는 것이다. 그는 말이 하는 것은 사람들이 되는 것이다. 1985년 - 1985년
18	A.	My business career spans over 33 years and includes responsibilities
19		in the areas of network planning, engineering, training, administration
20		and operations. I have held positions of responsibility with a local
21		exchange telephone company, a long distance company, and a
22		research and development company. I have extensive experience in
23		all phases of telecommunications network planning, deployment, and
24		operations in both the domestic and international arenas.
25		

1		I graduated from Fayetteville Technical Institute in Fayetteville, North
2		Carolina, in 1970, with an Associate of Applied Science in Business
3		Administration degree. I obtained a Master of Business Administration
4		degree from Georgia State University in 1992.
5		보면 전환 등 보면 하고 있는 것 같아. 그리고 생각을 된다는 것이라고 있다고 하는 것 같다. - 그리는 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은
6	Q.	HAVE YOU TESTIFIED PREVIOUSLY BEFORE ANY STATE PUBLIC
7		SERVICE COMMISSION?
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9	Α.	I have previously testified before the state Public Service Commissions
10		in Alabama, Florida, Georgia, Kentucky, Louisiana, Mississippi, and
11		South Carolina, the Tennessee Regulatory Authority, and the North
12		Carolina Utilities Commission on the issues of technical capabilities of
13		the switching and facilities network regarding the introduction of new
14		service offerings, expanded calling areas, unbundling, and network
15		interconnection.
16		
17	Q.	WHAT IS THE PURPOSE OF YOUR TESTIMONY TODAY?
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19	Α.	In my testimony, I will address the technical aspects of network related
20		issues which have been raised in the Petition for Arbitration filed by
0.1		Doltacom in this proceeding. Specifically, I will address the following

BellSouth reserves its right to file supplemental testimony on those

understanding that the parties have reached agreement as to Issues

issues, in whole or in part: Issues 8 and 21. It is BellSouth's

8(b), 20, 23, 29, and 50. Should these issues not be resolved,

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issues.

3 Issue 8: (a) Should BellSouth be required to provide an unbundled loop

using IDLC technology to DeltaCom which will allow DeltaCom to

5 provide consumers the same quality of service (i.e., no additional

analog to digital conversions) as that offered by BellSouth to its

7 customers?

Q. BEFORE ADDRESSING THIS ISSUE IN MORE DETAIL, COULD YOU PUT IT INTO CONTEXT FOR THE AUTHORITY?

Α.

Yes. As is described in more detail below, BellSouth uses integrated digital loop carrier ("IDLC") equipment to serve some of its end user customers. This IDLC equipment allows a single transmission facility to carry multiple voice messages at once through a process known as multiplexing. Rather than "demultiplexing" the various voice multiplexed lines into separate lines prior to running them through a circuit switch at the central office, BellSouth runs transmission facilities carrying these multiple voice lines directly into a circuit switch, and the switch separates the various voice lines out and sends them on the way to their appropriate destinations. This is what is meant when it is said that IDLC equipment allows the 'integration' of loop facilities with switch facilities by eliminating equipment in the central office referred to as Central Office Terminals ("COTs").

Issue No. 8 arises when a Competitive Local Exchange Carrier
("CLEC") like Deltacom wins the local exchange business of an end
user that BellSouth is serving over an IDLC loop, and that CLEC wants
to use a non-BellSouth switch ¹ to serve that end user. In that situation
the CLEC cannot use the IDLC loop to serve the end user because the
IDLC transmission facility carries voice lines not only from the CLEC's
end user customer, but also from various other end users (including
BellSouth's end user customers). Instead, a separate loop facility that
carries only that end user's voice messages has to be provided and
connected to Deltacom's voice switch.

Q. WHAT IS BELLSOUTH'S POSITION ON USING INTEGRATED DIGITAL LOOP CARRIER ("IDLC") TECHNOLOGY?

Before getting into the technical details, I would explain that it is
BellSouth's belief that what Deltacom is requesting is not technically
feasible and that Deltacom has offered not even one suggestion as to
how those technical problems could be overcome.

When a CLEC such as Deltacom orders a voice grade unbundled loop from BellSouth, BellSouth provides a loop with technical characteristics suitable for voice grade services. Loops provided over IDLC are integrated into BellSouth's switch rather than being run through demultiplexing equipment referred to as COTs. Therefore, when a CLEC

¹ The CLEC may want to use its own switch, or it may be purchasing switching functionality from another entity.

obtains a customer currently served by IDLC, it is necessary to provide a non-integrated facility (for example, a copper loop or a loop served by Universal Digital Loop Carrier ("UDLC") to serve the customer. Because IDLC loops are integrated directly into the central office switch, BellSouth must take special measures to remove the switching functionality in order to provision the desired loop to the requesting CLEC. BellSouth has eight (8) alternatives for providing this nonintegrated unbundled loop facility that are currently used by BellSouth when it is necessary to convert an IDLC loop to an unbundled loop facility. All eight (8) alternatives provide unbundled loops suitable for voice grade services. If Deltacom wants a loop with particular transmission standards (that is, different from or higher than voice grade), Deltacom should order such a loop. If BellSouth is unable to offer a loop that meets Deltacom's requirements, Deltacom should place a New Business Request ("NBR") with BellSouth for the development of such a loop.

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Q. PLEASE DESCRIBE THE ROLE OF DIGITAL LOOP CARRIER AS A MEANS OF PROVIDING CUSTOMER LOOPS.

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A.

In many cases, instead of using only simple copper facilities all the way to the customer's premises, other equipment is added to improve the transmission quality on very long loops, as well as minimize the overall cost of serving customers who are located a great distance from the central office ("CO"). Electrical signals deteriorate over

distance and such deterioration, at some point, becomes noticeable to the customer as noise or low volume. Generally, the smaller the gauge of wire used for the pairs within the cable, the higher the resistance and thus, the greater the loss. One way to overcome these transmission problems is to use larger gauge cables when long loops are required and smaller gauge cables when shorter loops are required. Obviously, this would complicate both the process of designing and constructing loop facilities, as well as the inventorying, assignment, and activation processes used to actually provide service to a given customer. Instead, standard gauge cables are used and equipment called "loop electronics" is added to compensate for long loops by digitizing the voice signals and adding any amplification required to ensure high quality service. In the context we are discussing, this digitization is referred to as the "analog to digital conversion." This digitization is important from a quality standpoint. Analog amplifiers have one significant disadvantage which digitization overcomes. The analog amplifier boosts a deteriorating signal; however, it also boosts the noise along with the signal (in this case, the voice). Digital amplifiers boost the signal, but also "clean up" the signal using various mathematical formulae such that the signal is returned to its original quality. The most common form of these "loop electronics" is equipment referred to as Digital Loop Carrier ("DLC").

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The loop feeder cable (copper or fiber) is connected to the DLC equipment located at the junction of the loop feeder cable and loop

distribution cable. Because this DLC equipment is located outside the CO, it is referred to as the Remote Terminal ("RT") equipment (i.e., it is located remotely from the CO). From the DLC RT equipment to the end user, BellSouth typically will use individual copper pairs to the customer's home or business. These copper pairs will terminate in the Network Interface Device ("NID") at the end user's premises. What is different about the use of DLC equipment is what occurs on the loop feeder part of the loop.

Q. PLEASE DISCUSS THE CONCENTRATION FUNCTION PERFORMED BY DLC EQUIPMENT.

17.

A.

The DLC unit (at the RT) performs a concentration function, whereby the feeder system provides fewer "talk-paths" (back to the CO) than there are distribution pairs. As an example, the DLC may concentrate 96 distribution pairs onto 48 feeder circuits. This would be referred to as having a concentration ratio of two to one (2:1) in that for every two loop distribution pairs to customers' premises, there is only one path to the CO over the loop feeder facilities. This means that not all 96 end users can receive dial-tone at the same time, so careful monitoring of service is essential to balance the number of distribution pairs to feeder "paths" dependent on the calling characteristics of the served customers. Generally, the higher the calling rate, the lower the concentration. While customers with very low calling rates might be concentrated at a ratio of 4:1, customers with very high calling rates

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1		might not be concentrated at all (that is, a ratio of one loop distribution
2		pair to one loop feeder path for a ratio of 1:1).
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4	Q.	PLEASE DISCUSS THE MULTIPLEXING FUNCTION PERFORMED
5		BY DLC EQUIPMENT.
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7	Α.	The second function performed by the DLC equipment is called
8		multiplexing. Multiplexing is a technique, which allows many individual
9		customer lines (in the loop distribution portion) to share high capacity
10		digital lines to the CO (in the loop feeder portion). For example, a
11		common high capacity transmission system called the DS-1 allows 24
12		separate calls to share a single transmission facility. Each path or
13		"channel" can carry a single conversation. Some simple mathematics
14		show that the 24 paths, each operating at 64 kilobits per second
15		("Kb/s"), would require a higher speed transmission facility of about 1.5
16		million bits per second (1.5 Mb/s). Thus, the basic functions provided
17		by DLC equipment are digitization, concentration, and multiplexing.
18		These functions are provided regardless of which style DLC equipment
19		(integrated or non-integrated) is used.
20		
21	Q.	PLEASE DISCUSS THE DIFFERENCES BETWEEN INTEGRATED
22		DIGITAL LOOP CARRIER AND NON-INTEGRATED OR
23		"UNIVERSAL" DIGITAL LOOP CARRIER.

A. Essentially, there are two varieties of DLC. One form is often referred

to as "universal" DLC. For this discussion, however, a more appropriate name is non-integrated DLC. The other form of DLC is referred to as "integrated DLC" or IDLC. A newer form of integrated DLC is referred to as Next Generation Digital Loop Carrier ("NGDLC"). The DLC equipment at the RT converts the voice signals from analog to digital through the process referred to as digitization. These digital signals are then sent to the CO over the loop feeder facilities. At the CO, non-integrated DLC equipment is terminated into equipment referred to as the COT. The COT takes the many signals carried by the single transmission facility and converts them back to individual signals (one per customer loop) for connection to the switching equipment within the CO. This process is referred to as demultiplexing. Thus, from the COT, the individual loop circuits can be terminated onto the dial-tone providing switch within the CO, or they can be routed to some other location (e.g., collocation space, etc.). Within the BellSouth CO, loops served by non-integrated DLC may be connected directly to the BellSouth switch in that CO office (through the COT), or the loop may be extended into the CLEC's collocation space on an unbundled basis.

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Q. PLEASE DISCUSS THE EQUIPMENT ARRANGEMENTS IN THE
BELLSOUTH CENTRAL OFFICE FOR INTEGRATED DIGITAL LOOP
CARRIER.

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25 A. IDLC does not terminate in a COT. Instead, the IDLC terminates

1		directly into the modern digital switch, which provides dial-tone and
2		other switching functions to the customer.
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4	Q.	PLEASE DESCRIBE THE EIGHT (8) ALTERNATIVES FOR GIVING A
5		CLEC ACCESS TO LOOPS SERVED BY IDLC.
6		가는 사용 경기 가는 사용하는 사람들이 가는 사용하는 것이 되었다. 그런 그들은 사용 기를 받는다. 하는 사용 전 전 등을 만들는 사람들이 하는 사용 기를 받는다. 그는 사용 기를 받는다.
7	Α.	IDLC is a special version of DLC that does not require a host terminal
8		in the central office, sometimes referred to as the COT, but instead
9		terminates the digital transmission facilities directly into the central
10		office switch. In its Texas Decision, the Federal Communications
11		Commission ("FCC") found that "the BOC must provide competitors
12		with access to unbundled loops regardless of whether the BOC uses
13		integrated digital loop carrier (IDLC) technology or similar remote
14		concentration devices for the particular loops sought by the
15		competitor." Memorandum Opinion and Order, Application by SBC
16		Communications Inc., et al., Pursuant to Section 271 of
17		Telecommunications Act of 1996 to Provide In-Region, InterLATA
18		Services in Texas, 15 FCC Rcd 18354, ¶ 248 (2000) ("Texas Order").
19		BellSouth provides access to such IDLC loops via the following
20		methods:
21		Alternative 1: If sufficient physical copper pairs are available,
22		BellSouth will reassign the loop from the IDLC system to a

physical copper pair.

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Alternative 2: Where the loops are served by NGDLC systems, BellSouth will "groom" the integrated loops to form a virtual

Remote Terminal RT arranged for universal service (that is, a terminal which can accommodate both switched and private line circuits). "Grooming" is the process of arranging certain loops (in the input stage of the NGDLC) in such a way that discrete groups of multiplexed loops may be assigned to transmission facilities (in the output stage of the NGDLC). Both of the NGDLC systems currently approved for use in BellSouth's network have "grooming" capabilities.

- Alternative 3: BellSouth will remove the loop distribution pair from the IDLC and re-terminate the pair to either a spare metallic loop feeder pair (copper pair) or to spare universal digital loop carrier equipment in the loop feeder route or Carrier Serving Area ("CSA"). For two-wire ISDN loops, the universal digital loop carrier facilities will be made available through the use of Conklin BRITEmux or Fitel-PMX 8uMux equipment.
- Alternative 4: BellSouth will remove the loop distribution pair from the IDLC and re-terminate the pair to utilize spare capacity of existing Integrated Network Access ("INA") systems or other existing IDLC that terminates on Digital Cross-connect System ("DCS") equipment. BellSouth will thereby route the requested unbundled loop channel to a channel bank where it can be demultiplexed for delivery to the requesting CLEC or for termination in a DLC channel bank in the central office for concentration and subsequent delivery to the requesting CLEC.
- Alternative 5: When IDLC terminates at a switch peripheral that

1	is capable of serving "side-door/hairpin" capabilities, BellSouth
2	will utilize this switch functionality. The loop will remain
3	terminated directly into the switch while the "side-door/hairpin"
4	capabilities allow the loop to be provided individually to the
5	requesting CLEC.
6	Alternative 6: If a given IDLC system is not served by a switch
7	peripheral that is capable of side-door/hairpin functionality,
8	BellSouth will move the IDLC system to switch peripheral
9	equipment that is side-door capable.
10	Alternative 7: BellSouth will install and activate new UDLC
11	facilities or NGDLC facilities and then move the requested loop
12	from the IDLC to these new facilities. In the case of UDLC, if
13	growth will trigger activation of additional capacity within two
14	years, BellSouth will activate new UDLC capacity to the
15	distribution area. In the case of NGDLC, if channel banks are
16	available for growth in the CSA, BellSouth will activate NGDLC
17	unless the DLC enclosure is a cabinet already wired for older
18	vintage DLC systems.
19	Alternative 8: When it is expected that growth will not create the
20	need for additional capacity within the next two years, BellSoutl
21	will convert some existing IDLC capacity to UDLC.
22	
23	The sufficiency of these eight (8) alternatives was an issue in
24	BellSouth's Section 271 proceedings before the nine State

Commissions in BellSouth's region as well as the Section 271

proceedings before the Federal Communications Commission ("FCC") as BellSouth sought in-region interLATA long distance authority. All 2 nine states and the FCC affirmed that BellSouth provides unbundled 3 loops to CLECs on a nondiscriminatory basis, including those loops served by IDLC equipment. The Tennessee Regulatory Authority 5 made such a finding in Docket No. 97-00309. 6 7 The eight (8) alternatives for giving a CLEC access to loops served by 9 IDLC listed above are listed in order of complexity, time, and cost to 10 implement. The simplest is listed first and the most complex, lengthy, 11 and costly to implement listed last. Also, Alternative 1 and the copper 12 loop solution of Alternative 3 do not add additional Analog to Digital 13 conversions; which would appear to alleviate Deltacom's primary 14 concern. When a CLEC orders a loop, BellSouth delivers that loop to 15 the specifications ordered by the CLEC. 16 Q. HAS THERE BEEN ANY EFFORT ON BEHALF OF BELLSOUTH 17 AND DELTACOM TO ADDRESS ATTEMPTS TO MINIMIZE OR 18 19 ELIMINATE THE NEED FOR ADDITIONAL ANALOG TO DIGITAL **CONVERSIONS?** 20 21 Α. Yes. BellSouth agreed to work cooperatively with Deltacom to explore 22 23 some technical possibilities in an attempt to minimize or eliminate the

efforts were unsuccessful owing to no shortcoming on either

need for additional Analog to Digital conversions. Unfortunately, those

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BellSouth's or Deltacom's part. To my knowledge, there simply is no technically feasible way to accomplish what Deltacom is asking.

Further, Deltacom has proposed no technical alternative beyond those that have already been tested.

BellSouth provides Deltacom with unbundled loops (whether on so-called UDLC or other technology) that meet the technical transmission requirements for voice grade loops. If Deltacom wishes a loop with different or more stringent technical characteristics than the loops BellSouth currently offers, Deltacom should request such a loop via the New Business Request process.

Q. PLEASE BRIEFLY DESCRIBE THE GOALS OF THE IDLC TECHNICAL TRIAL THAT BELLSOUTH CONDUCTED.

Α.

On January 13, 2003, BellSouth met with Deltacom in Anniston,
Alabama to discuss the benefits and goals of BellSouth engaging in a
technical trial of some technical alternatives that, if successful, might
be useful in addressing Deltacom's concerns regarding analog to
digital conversions that are inherent when loops are provided over
certain technology. Several other conference calls between
BellSouth's and Deltacom's technical experts ensued. In a spirit of
cooperation, BellSouth agreed to shoulder the expense of this trial
even though ordinarily a CLEC would detail the type loop it desired
and, if that loop type is not currently offered, use the New Business

Request process to have BellSouth analyze the feasibility of such a development. Mr. Gary Tennyson, a Director in BellSouth's Science and Technology organization, was chosen to coordinate the trial and Mr. Tennyson marshalled appropriate resources within BellSouth to conduct the technical trial and to document the findings of that trial.

Essentially, the trial was meant to determine if loops provided over IDLC could be provisioned without any additional analog to digital conversions (compared to the quantity of analog to digital conversions when the end user was a BellSouth retail customer) using functionality referred to as "side door" or "hair pin" arrangements within the BellSouth switch and additional equipment referred to as Digital Crossconnect System ("DCS") to aggregate unbundled loops for a given CLEC. For the trial, Deltacom furnished a list of telephone numbers of 'friendly customers' who had BellSouth service. From this list, two (2) lines were selected. These customers were served via a Nortel DMS100 office in BellSouth's network, and DCS equipment was already installed in that building.

DMS100 switch peripheral (SMS) assignments were obtained for the loops in question. The availability of vacant DS1 terminations on the associated SMS was verified. DS1 terminations in the DCS were obtained, and BellSouth built circuits from the DCS to the SMS's. The DS1 facilities between Deltacom's collocation arrangement and the DCS were also built.

Q. WHAT WAS THE OUTCOME OF THE TECHNICAL TRIAL?

A. The trial was unsuccessful. Unfortunately, two (2) unforeseen issues arose. It turns out that the loops to be converted were working in Mode II, i.e., concentrated mode. Concentration, in this setting, is the sharing of transmission paths between the DLC Remote Terminal and the switch. For example, two (2) end users might share a single path and this is referred to as 2:1 concentration. In the DMS100 switch, a Mode II channel must be in the four (4) right-most line card slots, i.e., channels 17-24, of the digital transmission facility in order to be 'hairpinned' in the switch.

BellSouth also learned during the trial that only one (1) customer may be assigned to the Remote Terminal card (which normally accommodates two lines) serving the loop to be unbundled. This limitation arises due to the fact that the DMS100 'nails up' both channels on the line card. Because it's extremely unlikely that both end-users would be converting simultaneously to the same CLEC, this effectively means that the other channel must be vacant, resulting in stranded investment. To overcome these limitations, the end-users to be converted would have to be re-assigned to other DLC line cards or other facilities. This would involve, among other things, a transfer at the crossbox.

Q. WHAT DOCUMENTATION OF THE TECHNICAL TRIAL DID

BELLSOUTH PROVIDE TO DELTACOM?

Α.

The best description of the trial outcomes is documented in the "white paper" that Mr. Tennyson produced at the end of the trial. A copy of that "white paper" was furnished to Deltacom at the end of the trial and a copy is attached to my testimony as Exhibit WKM-1. BellSouth and Deltacom had discussed before the trial began that, even if successful, providing loops via DCS equipment might be prohibitively expensive for both parties. Anticipated costs included the following:

Determining the availability of spare switch peripheral ports,

- Determining the availability of a Digital Cross-connect
 System and spare ports
- The provisioning of DS1 links between the switch peripherals and the Digital Cross-connect ports
- The use of the Digital Cross-connect system

When the unanticipated cost of the line rearrangements (necessary to 'hairpin' a mode II IDLC channel in a DMS100 office) became known, the process was viewed to be even less viable. No effort was made to transfer the end-users or continue the trial. Finally, when BellSouth better understood the effect of multiple links of robbed-bit signaling on V.90 modem performance, there was simply no point in continuing the work. BellSouth removed the temporary arrangements it had made and informed Deltacom, in a conference call of both parties' technical subject matter experts participating, that the trial was unsuccessful.

1	Q.	HAS DELIACOM RESPONDED FORMALLY TO BELLSOOTH S
2		"WHITE PAPER" DISCUSSING THE OUTCOME OF THE
3		TECHNICAL TRIAL?
4		
5	Α.	No. I was on the conference call I mentioned earlier and I believe
6		Deltacom's representative appreciated the candor with which
7		BellSouth explained its findings. From BellSouth's viewpoint, I believe
8		the technical trial demonstrates that the technical solutions attempted
9		are not technically feasible. At the conclusion of the conference call,
10		BellSouth invited Deltacom to suggest other technical solutions but so
11		far, Deltacom has made no such suggestion. To summarize, it is my
12		belief that BellSouth and Deltacom worked together in good faith to
13		solve a technical problem for which at present there is no technically
14		feasible solution.
15		
16	Issu	e 21: Does BellSouth have to make available to DeltaCom dark fiber
17	loop	s and transport at any technically feasible point?
18		
19	Q.	WHAT IS BELLSOUTH'S POSITION ON THIS ISSUE?
20		
21	Α.	BellSouth's definitions of dark fiber comport with the definitions of
22		loops and transport under the FCC's rules. 47 C.F.R. 51.319 (a)(1); 47
23		C.F.R. 51.319 (d)(1). Accordingly, BellSouth will make dark fiber loops
24		available at the demarcation point associated with Deltacom's
25		collocation arrangements within BellSouth central offices. Deltacom

apparently wishes to access dark fiber at points other than those end points of the loop and transport Unbundled Network Elements ("UNEs") as defined by the FCC. Deltacom's position that it can access dark fiber loop and dark fiber transport at any technically feasible point completely ignores the definitions of those UNEs established by the FCC and would result in the creation of a new UNE from whatever point Deltacom wants to access it to whatever point Deltacom wants to access it. BellSouth has no requirement to create new UNEs – BellSouth's obligation being to provide access to UNEs as they exist within its network. The parties may mutually agree to some other access point; however, Deltacom apparently wants to be in the position that it can dictate when and where the access will take place between Deltacom's network and BellSouth's network despite careful FCC rulemaking that standardizes how and where such access to UNEs takes place.

Q.

DOES BELLSOUTH HAVE ANY DARK FIBER ARRANGEMENTS
AVAILABLE AT COLLOCATION SITES?

Yes. As of May 2003, across BellSouth's nine-state region there were
to be unbundled fiber arrangements for 15 different customers, all of
which were delivered to a CLEC collocation arrangement within a
BellSouth serving wire center.

Q. DOES THIS CONCLUDE YOUR TESTIMONY?

1 A. Yes.